

(No Model)

A. CLAPP.
CURRYCOMB.

No. 582,808.

Patented May 18, 1897.

Fig. 1.

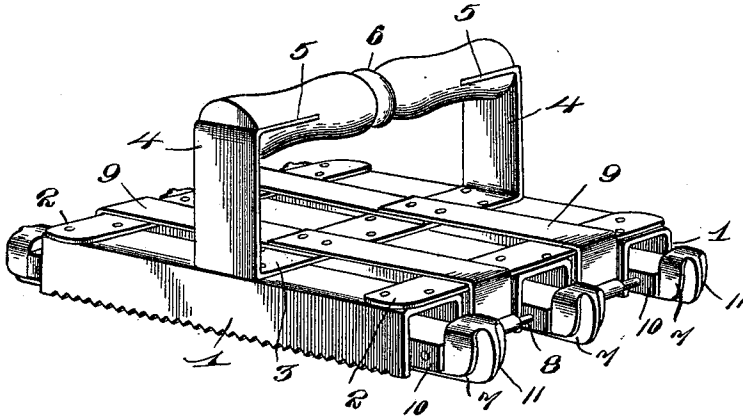


Fig. 2.

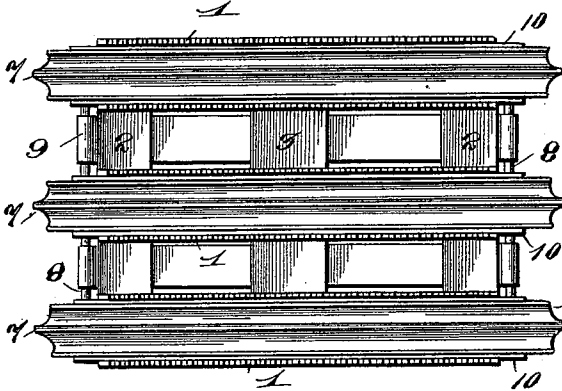


Fig. 3.

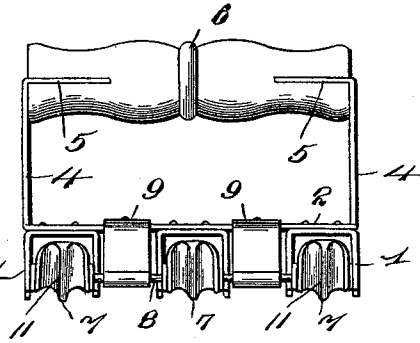


Fig. 4.

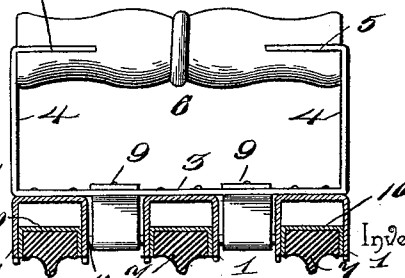
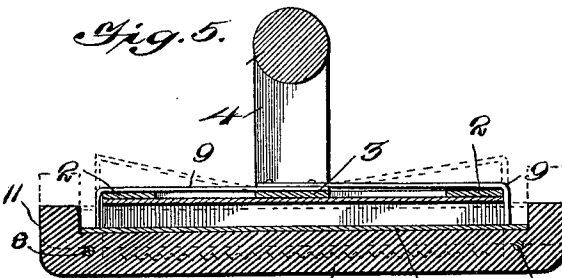


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

ARTHUR CLAPP, OF CLYDE, OHIO.

CURRYCOMB.

SPECIFICATION forming part of Letters Patent No. 582,808, dated May 18, 1897.

Application filed May 23, 1896. Serial No. 592,773. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR CLAPP, a citizen of the United States, residing at Clyde, in the county of Sandusky and State of Ohio, have invented a new and useful Currycomb, of which the following is a specification.

This invention is designed to combine in a single structure means for currying and brushing or rubbing the hide of a horse or other animal and at the same time cleaning the comb of hair, dirt, and other adhering matter.

The improvement consists, essentially, in combining with a currycomb strips for rubbing or brushing, so as to smooth the hair, said strips being of rubber, felt, or other material to attain the desired end and having yielding connection with the comb to clean the latter and produce the required effect.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a currycomb for attaining the objects of this invention. Fig. 2 is a bottom plan view thereof. Fig. 3 is an end view. Fig. 4 is a transverse section. Fig. 5 is a longitudinal section showing an adjusted position of the rubbing-strips by dotted lines.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by the same reference-characters.

The currycomb proper may be of any desired construction, and, as shown, comprises a series of tooth-plates 1, disposed in parallelism and connected together by transverse plates 2, the latter being secured in any economical way to the tooth-plates. The middle plate 3 has its end portions 4 bent about at right angles and its terminals 5 bent inwardly about parallel with the body of the plate 3 and entering kerfs formed in the ends of a

handle 6, said terminals 5 being secured in the kerfs by pins or other fastenings.

The rubbing-strips 7, which may be of felt, rubber, or other suitable material, are located between the teeth or parallel parts of the tooth-plates and are slightly longer than the latter, so as to have their end portions extend beyond the extremities of the tooth-plates. These rubbing-strips are suitably backed to secure rigidity and strength, the backing being strips of metal having their edge portions bent and adapted to embrace the back and sides of the rubbing-strips. The rubbing-strips are connected in series, so as to operate together, and are united by rods 8, which pass through transverse openings in the projecting end portions of the rubbing-strips. Flat springs 9 have connection with the middle plate 3, and their terminal portions are bent and have connection with the rods 8 and serve normally to hold the rubbing-strips projected. The outer ends of the springs 9 engage with the transverse plates 2 and limit the outward movement of the rubbing-strips and prevent the latter from being moved beyond the teeth of the currycomb to such an extent as to materially interfere with a proper currying of the hide. The active faces of the rubbing-strips are convexed between their edges, so as to engage with the hide and admit of the teeth of the currycomb performing their accustomed office. The bent ends of the springs 9 engage with the edges of the plates 2 and prevent any appreciable longitudinal movement of the rubbing-strips.

By having the active faces of the rubbing-strips convexed or projected the raised part will engage with the hide at a distance from the teeth of the currycomb, and when applying pressure to the latter the edge portions of the rubbing-strips will move away from the active ends of the teeth to such an extent as to admit of the latter operating as effectively as if the rubbing-strips were not provided. If the active faces of the rubbing-strips were flat, the operation of the teeth would be materially diminished and the effectiveness of the device as a currycomb be detracted from, and to obviate these difficulties the rubbing-strips have their active

faces or sides projected intermediate of their edges in the manner substantially as shown and set forth. The terminals of the rubbing-strips are enlarged and projected beyond the 5 extremities of the metal backing 10 to prevent injurious contact of the said backing with the hide of the animal, and these enlarged ends 11 are convexed similar to the active side of the strips 7 to materially assist 10 in the currying and cleaning process.

Having thus described the invention, what is claimed as new is—

1. A currycomb comprising in its construction tooth-plates and rubbing-strips, the latter alternating with and coming between the 15 tooth portions of the plates and yieldingly supported to move away from the teeth when subjected to pressure, substantially as set forth.

2. A currycomb comprising tooth-plates and rubbing-strips, the latter alternating with and coming between the tooth portions of the plates and having their active faces 20 convexed or projected intermediate of their edges beyond the contiguous teeth, and yieldingly supported to move inward away from the plane of the teeth when subjected to pressure, substantially as and for the purpose set 25 forth.

3. In a currycomb, the combination with 30 tooth-plates, of rubbing-strips operating be-

tween the teeth of the plates, and springs for normally projecting the rubbing-strips beyond the plane of the teeth, substantially as set forth.

4. In a currycomb, the combination with tooth-plates, of a series of rubbing-strips, rods connecting the rubbing-strips in series, and springs normally projecting the active 40 faces of the rubbing-strips beyond the plane of the teeth, substantially as described.

5. The herein-described currycomb, comprising a series of tooth-plates disposed in parallel relation, plates connecting the tooth-plates, rubbing-strips suitably backed and 45 located between the parallel portions of the tooth-plates and having their end portions projecting beyond the extremities of the tooth-plates, rods connecting the rubbing-strips in series, and flat springs having connection with the currycomb and having their 50 terminals secured to the rods connecting the rubbing-strips, substantially in the manner shown and for the purpose described.

In testimony that I claim the foregoing as 55 my own I have hereto affixed my signature in the presence of two witnesses.

ARTHUR CLAPP.

Witnesses:

H. G. GIBBENS,
DANIEL BEARD.